

V&V Data Collection Tools

Trimble's GeoExplorer

GeoExplorer II



The GeoExplorer is the smallest and lightest member of Trimble's Pathfinder family of GPS receivers. Its size, portability and powerful features make the GeoExplorer II an ideal tool for collecting GIS and mapping data in remote locations.

System Calibration Reports

As reported by the System Manufacturer, no calibration is needed for this instrument.

Technical Specifications

Update rate:	Minimum interval once every 0.7 sec
Time to first fix:	<2 minutes, 2D (typical) <3 minutes, 3D (typical)
Tracking:	6 channels parallel/sequential L1 C/A code
Battery:	Runs on 4 standard AA alkaline batteries or optional external rechargeable battery

Global Positioning Systems -- GeoExplorer Unit

System Description

The GeoExplorer units are rugged hand-held units that have data logging capabilities and can achieve accuracies of 1-5 meters differentially corrected. These units can also be used in a static or dynamic environment. The GeoExplorer units are ideal for GPS mapping requirements such as identifying the location of interesting ground features, recording the position of a photograph or spectroradiometer survey, mapping the boundary of a forest stand or agricultural field. Trimble's Pathfinder Office software is used with the GeoExplorer, and both the software and hardware are compatible with the 4000 systems.

The GeoExplorer's extensive functions are operated through an intuitive menu-driven interface accessed via a seven-button key pad. In the field, the GeoExplorer II collects position data every 0.7 seconds and stores the data in user-named files. Once differentially corrected, data is downloaded to mapping or GIS database applications using a standard serial port interface. When used with the appropriate systems, the GeoExplorer II can also collect differentially corrected data in real time.

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****Information provided by the system manufacturer, [Trimble Navigation](#) ****